

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L1 | 2 | negative adj resistance with dielectric adj breakdown | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/04 14:13 |
| L2 | 17 | number adj2 pulses with break adj down | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/04 14:13 |
| L3 | 0 | number adj2 pulses with break adj down with dielectric | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/04 14:13 |
| L4 | 0 | number adj2 pulses with break adj down with insulat\$3 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/04 14:13 |
| L5 | 0 | number adj2 pulses with break adj down with high adj k | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/04 14:13 |
| L6 | 0 | number adj2 pulses with break adj down with oxide | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/04 14:13 |

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| L7 | 0 | number adj2 pulses with break adj down with nitride | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:13 |
| L8 | 0 | many adj2 pulses with break adj down with nitride | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:13 |
| L9 | 0 | many adj2 pulses with break adj down with dielectric | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:13 |
| L10 | 71 | pulses with break adj down with dielectric | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:13 |
| L11 | 37 | break adj down with dielectric.ti. | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:13 |
| L12 | 5 | L11 and pulse | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:13 |

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| L13 | 19 | L11 and voltage | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:13 |
| L14 | 3 | L11 and voltage with puls\$3 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:13 |
| L15 | 12 | "6602729" | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:13 |
| L16 | 5 | L15 and puls\$3 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:13 |
| L17 | 136 | L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13 L14 L15 L16 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:14 |
| L18 | 11 | 10 and constant with voltage | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:15 |

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| L19 | 2374 | 438/14.ccls. | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:15 |
| L20 | 4044 | 438/17.ccls. | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:15 |
| L21 | 45 | 438/19.ccls. | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:15 |
| L22 | 304 | 438/21.ccls. | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:15 |
| L23 | 9 | 19 and dielectric with break adj down | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:21 |
| L24 | 5 | 20 and dielectric with break adj down | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:15 |

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| L25 | 0 | 21 and dielectric with break adj down | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:15 |
| L26 | 1 | 22 and dielectric with break adj down | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:15 |
| L27 | 0 | 24 and constant adj voltage | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:21 |
| L28 | 1 | 23 and constant adj voltage | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:18 |
| L29 | 0 | 26 and constant adj voltage | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:18 |
| L30 | 0 | 23 and puls\$3 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:21 |

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|-----|-----|---|---|----|----|---------------------|
| L31 | 4 | constant with volt\$3 with puls\$3 same ((dielectric or insulat\$3) with (break adj down)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:19 |
| L32 | 717 | 438/10.ccls. | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:21 |
| L33 | 31 | 32 and constant adj voltage | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:21 |
| L34 | 17 | 33 and puls\$3 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:21 |
| L35 | 0 | 34 and dielectric with break adj down | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:21 |
| L36 | 0 | 34 and insulat\$4 with break adj down | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/02/04 14:22 |

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| S72 | 2 | negative adj resistance with dielectric adj breakdown | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/02 18:32 |
| S73 | 16 | number adj2 pulses with break adj down | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/02 18:33 |
| S74 | 0 | number adj2 pulses with break adj down with dielectric | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/02 18:33 |
| S75 | 0 | number adj2 pulses with break adj down with insulat\$3 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/02 18:34 |
| S76 | 0 | number adj2 pulses with break adj down with high adj k | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/02 18:34 |
| S77 | 0 | number adj2 pulses with break adj down with oxide | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/02 18:34 |

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|-----|----|---|--|----|----|---------------------|
| S78 | 0 | number adj2 pulses with break adj down with nitride | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/08/02 18:34 |
| S79 | 0 | many adj2 pulses with break adj down with nitride | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/08/02 18:34 |
| S80 | 0 | many adj2 pulses with break adj down with dielectric | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/08/02 18:34 |
| S81 | 71 | pulses with break adj down with dielectric | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/08/02 18:36 |
| S82 | 37 | break adj down with dielectric.ti. | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/08/02 18:37 |
| S83 | 5 | S82 and pulse | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/08/02 18:38 |

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|-----|----|------------------------------|--|----|----|---------------------|
| S84 | 19 | S82 and voltage | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/08/02 18:38 |
| S85 | 3 | S82 and voltage with puls\$3 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/08/02 18:53 |
| S86 | 10 | "6602729" | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/08/02 18:56 |
| S87 | 5 | S86 and puls\$3 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/08/02 18:56 |